

Please add the following abstract of the invention as a new sheet at the end of the application immediately following the claims:

Abstract of the Disclosure

A superconducting cable comprises N phases. Each phase comprises a number of superconducting phase conductors classified into N-phase groups. Each N-phase group comprises a phase conductor from each of the N different phases, where N is greater than one, and the number of N-phase groups is larger than or equal to two. Insulation is arranged in the cable around each phase conductor or between assemblies of phase conductors, so that said N-phase groups are insulated from each other. One or more of the N-phase groups or assemblies of N-phase groups is provided with a common electrically conductive screen. The N-phase groups are arranged in a number of coaxial groups comprising at least two coaxial layers and having a common axis oriented along the length of the cable. The superconducting cable has fewer cooling channels for refrigerant than phase conductors.